

Attorney Docket No. BSCI-010/00US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Jan WEBER

Serial No.: New

Examiner: Unassigned

Confirmation No.: Unassigned

Art Unit: Unassigned

Filed: March 2, 2004

For: **APPARATUS AND METHOD FOR COATING OBJECTS USING AN
OPTICAL SYSTEM**

2011 South Clark Place
Customer Window, **Mail Stop Patent Application**
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. ____ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
- ☐ Publication(s) ____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to ____ application serial no. ____ and mailed on ____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) ____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) ____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☒ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in this international application;
- ☐ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.


It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: March 2, 2004

Cooley Godward LLP
ATTN: Patent Group
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5656
Tel: (703) 456-8000
Fax: (703) 456-8100

Respectfully submitted,
COOLEY GODWARD LLP

By:



Christopher R. Hutter
Reg. No. 41,087

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	New
				Filing Date	March 2, 2004
				First Named Inventor	Jan WEBER
				Group Art Unit	Unassigned
Examiner Name	Unassigned				
Sheet	1	of	2	Attorney Docket Number	BSCI-010/00US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	US 2003/0193984	A1	Ozkan et al.	10/16/2003
	A2	6,055,106		Grier et al.	04/25/2000

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
	B1		WO 99/54784	A1	University of Connecticut	10/28/1999

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
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		Filing Date	March 2, 2004		
		First Named Inventor	Jan WEBER		
		Group Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	BSCI-010/00US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Eriksen et al., "Fully dynamic multiple-beam optical tweezers," <i>Optics Express</i> , 15 July 2002, Vol. 10, No. 14	
	C2	McGloin et al., "Touchless tweezing," <i>spiess oemagazine</i> , January 2003, pp. 42 – 45	
	C3	Plewa et al., "Prospects for Holographic Optical Tweezers," 25 pages	
	C4	Dholakia et al., "Optical tweezers: the next generation," <i>Physics World</i> , October 2002, pp. 31 - 35	
	C5	McGloin et al., "Interfering Bessel beams for optical micromanipulation," <i>Optics Letters</i> , April 15, 2003, Vol. 28, No. 8, pp. 657 – 659	
	C6	Bechhoefer et al., "Faster, cheaper, safer optical tweezers for the undergrad laboratory," <i>Am. J. Phys.</i> , Vol. 70, No. 4, April 2002, pp. 393 – 400	
	C7	"Introduction to Optical Tweezers," printed on November 10, 2003, http://www.nbi.dk/~tweezer/introduction.htm , 5 pages	
	C8	"Optical Forces," Physik Weicher Materie, printed on November 10, 2003, http://www.uni-leipzig.de/~pwm/kas/modul_opticalforces/theory.html , 6 pages	
	C9	Molloy et al., "Preface: Optical tweezers in a new light," <i>Journal of Modern Optics</i> , 2003, Vol. 50, No. 10, 1501 - 1507	
	C10	Williams, "Optical Tweezers: Measuring Piconewton Forces," <i>Department of Physics and Center for Interdisciplinary Research on Complex Systems</i> , pp. 1 – 14	
	C11	Lang et al., "Resource Letter: LBOT-1: Laser-based optical tweezers," <i>Am. J. Phys.</i> , Vol. 71, No. 3, March 2003	
	C12	Grier, "A Revolution in Optical Manipulation," <i>Dept. of Physics, James Franck Institute and institute for Biophysical Dynamics</i> , May 15, 2003, pp. 1 – 10	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

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